

2023 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 12/8/2022

PROJECT INFORMATION		
RETREAT AT TIMBERRIDGE FILING NO. 3	2/2/2024	SF-22-041
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)		
						% Complete	Remaining	
SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)								
Earthwork								
less than 1,000; \$5,300 min		CY	\$ 8.00	=	\$ -		\$ -	
1,000-5,000; \$8,000 min		CY	\$ 6.00	=	\$ -		\$ -	
5,001-20,000; \$30,000 min		CY	\$ 5.00	=	\$ -		\$ -	
20,001-50,000; \$100,000 min	45,000	CY	\$ 3.50	=	\$ 157,500.00		\$ 157,500.00	
50,001-200,000; \$175,000 min		CY	\$ 2.50	=	\$ -		\$ -	
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -	
Permanent Erosion Control Blanket	6,500	SY	\$ 8.00	=	\$ 52,000.00		\$ 52,000.00	
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	9.0	AC	\$ 1,875.00	=	\$ 16,875.00		\$ 16,875.00	
Permanent Pond/BMP (Rain Garden 1)	1	EA	\$ 30,000.00	=	\$ 30,000.00		\$ 30,000.00	
Concrete Washout Basin		EA	\$ 1,089.00	=	\$ -		\$ -	
Inlet Protection	8	EA	\$ 202.00	=	\$ 1,616.00		\$ 1,616.00	
Rock Check Dam	11	EA	\$ 605.00	=	\$ 6,655.00		\$ 6,655.00	
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -	
Sediment Basin	2	EA	\$ 2,132.00	=	\$ 4,264.00		\$ 4,264.00	
Sediment Trap		EA	\$ 500.00	=	\$ -		\$ -	
Silt Fence	4,000	LF	\$ 3.00	=	\$ 12,000.00		\$ 12,000.00	
Slope Drain		LF	\$ 40.00	=	\$ -		\$ -	
Straw Bale		EA	\$ 31.00	=	\$ -		\$ -	
Straw Wattle/Rock Sock	45	LF	\$ 7.00	=	\$ 315.00		\$ 315.00	
Surface Roughening		AC	\$ 250.00	=	\$ -		\$ -	
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -	
Temporary Seeding and Mulching		AC	\$ 1,666.00	=	\$ -		\$ -	
Vehicle Tracking Control	3	EA	\$ 2,867.00	=	\$ 8,601.00		\$ 8,601.00	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
MAINTENANCE (35% of Construction BMPs)					=	\$ 11,707.85		\$ 11,707.85
Section 1 Subtotal					=	\$ 301,533.85		\$ 301,533.85

* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)

SECTION 2 - PUBLIC IMPROVEMENTS *							
ROADWAY IMPROVEMENTS							
Construction Traffic Control	1	5000		=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)	6,150	Tons	\$ 34.00	=	\$ 209,100.00		\$ 209,100.00
Aggregate Base Course (135 lbs/cf)		CY	\$ 61.00	=	\$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 17.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)	18,650	SY	\$ 23.00	=	\$ 428,950.00		\$ 428,950.00
Asphalt Pavement (6" thick)		SY	\$ 35.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 106.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 10.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign	13	EA	\$ 364.00	=	\$ 4,732.00		\$ 4,732.00
Guide/Street Name Sign	8	EA	\$ 250.00	=	\$ 2,000.00		\$ 2,000.00
Epoxy Pavement Marking (Vollmer Rd.)	125	SF	\$ 16.00	=	\$ 2,000.00		\$ 2,000.00
Thermoplastic Pavement Marking		SF	\$ 28.00	=	\$ -		\$ -
Barricade - Type 3	1	EA	\$ 241.00	=	\$ 241.00		\$ 241.00
Delineator - Type I		EA	\$ 29.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	1,350	LF	\$ 35.00	=	\$ 47,250.00		\$ 47,250.00
Curb and Gutter, Type B (Median)		LF	\$ 35.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)	2,620	LF	\$ 35.00	=	\$ 91,700.00		\$ 91,700.00
10' Reginal Multi-use Trail and channel access roads	4,000	SY	\$ 15.00	=	\$ 60,000.00		\$ 60,000.00
5" Sidewalk		SY	\$ 72.00	=	\$ -		\$ -
6" Sidewalk	1,460	SY	\$ 87.00	=	\$ 127,020.00		\$ 127,020.00
8" Sidewalk		SY	\$ 116.00	=	\$ -		\$ -
Pedestrian Ramp	2	EA	\$ 1,390.00	=	\$ 2,780.00		\$ 2,780.00
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 73.00	=	\$ -		\$ -
Cross Pan, collector (9" thick, 8' wide to include return)	60	LF	\$ 111.00	=	\$ 6,660.00		\$ 6,660.00
Curb Opening with Drainage Chase		EA	\$ 1,790.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)	425	LF	\$ 60.00	=	\$ 25,500.00		\$ 25,500.00
Guardrail Type 7 (Concrete)		LF	\$ 87.00	=	\$ -		\$ -
Guardrail End Anchorage	4.0	EA	\$ 2,538.00	=	\$ 10,152.00		\$ 10,152.00
Guardrail Impact Attenuator		EA	\$ 4,556.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 95.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 97.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 20.00	=	\$ -		\$ -
Traffic Signal, (provide engineer's estimate)		EA		=	\$ -		\$ -

PROJECT INFORMATION

RETREAT AT TIMBERRIDGE FILING NO. 3

2/2/2024

SF-22-041

Project Name

Date

PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (12' W x 6' H)	130	LF	\$ 1,000.00	=	\$ 130,000.00		\$ 130,000.00
Concrete Box Culvert (Excavation / Backfill)	1	LS	\$ 75,000.00	=	\$ 75,000.00		\$ 75,000.00
18" Reinforced Concrete Pipe	415	LF	\$ 76.00	=	\$ 31,540.00		\$ 31,540.00
24" Reinforced Concrete Pipe	380	LF	\$ 91.00	=	\$ 34,580.00		\$ 34,580.00
30" Reinforced Concrete Pipe	1,175	LF	\$ 114.00	=	\$ 133,950.00		\$ 133,950.00
36" Reinforced Concrete Pipe	535	LF	\$ 140.00	=	\$ 74,900.00		\$ 74,900.00
42" Reinforced Concrete Pipe		LF	\$ 187.00	=	\$ -		\$ -
48" Reinforced Concrete Pipe		LF	\$ 228.00	=	\$ -		\$ -
54" Reinforced Concrete Pipe		LF	\$ 297.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 348.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 402.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 460.00	=	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 98.00	=	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 112.00	=	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 143.00	=	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 171.00	=	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 197.00	=	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 207.00	=	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 304.00	=	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 328.00	=	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 397.00	=	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 467.00	=	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 537.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 642.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = 18" <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 456.00	=	\$ 456.00		\$ 456.00
Flared End Section (FES) CSP Size = 24" <i>(unit cost = 6x pipe unit cost)</i>	2	EA	\$ 546.00	=	\$ 1,092.00		\$ 1,092.00
Flared End Section (FES) CSP Size = 30" <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 700.00	=	\$ 700.00		\$ 700.00
Headwall - Concrete Box Culvert	1	EA	\$ 50,000.00	=	\$ 50,000.00		\$ 50,000.00
Wingwall - Concrete Box Culvert	1	EA	\$ 120,000.00	=	\$ 120,000.00		\$ 120,000.00
Railing - Concrete Box Culvert	245	EA	\$ 28.00	=	\$ 6,860.00		\$ 6,860.00
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 6,703.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	3	EA	\$ 8,715.00	=	\$ 26,145.00		\$ 26,145.00
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 10,092.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 9,224.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 9,507.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 11,901.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 11,995.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'	1	EA	\$ 12,858.00	=	\$ 12,858.00		\$ 12,858.00
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 14,061.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 12,783.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 14,109.00	=	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,611.00	=	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 6,931.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base	3	EA	\$ 14,061.00	=	\$ 42,183.00		\$ 42,183.00
Storm Sewer Manhole, Slab Base	9	EA	\$ 7,734.00	=	\$ 69,606.00		\$ 69,606.00
Geotextile (Erosion Control)		SY	\$ 8.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"	500	Tons	\$ 97.00	=	\$ 48,500.00		\$ 48,500.00
Rip Rap, Grouted		Tons	\$ 115.00	=	\$ -		\$ -
Drainage Channel Construction, Size (W x H)		LF	\$ -	=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 689.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 135.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,776.00	=	\$ -		\$ -
Drainage Channel Lining, Sheet Pile Structure	1	EA	\$ 45,000.00	=	\$ 45,000.00		\$ 45,000.00
				=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
				Section 2 Subtotal	= \$ 1,921,455.00		\$ 1,921,455.00

* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)

PROJECT INFORMATION		
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Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)		
						% Complete	Remaining	
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**								
ROADWAY IMPROVEMENTS								
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)								
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
WATER SYSTEM IMPROVEMENTS								
Water Main Pipe (PVC), Size 8"	270	LF	\$ 78.00	=	\$ 21,060.00		\$ 21,060.00	
Water Main Pipe (Ductile Iron), Size 24" Cherokee Reloc.	835	LF	\$ 125.00	=	\$ 104,375.00		\$ 104,375.00	
Gate Valves, 8"	5	EA	\$ 2,247.00	=	\$ 11,235.00		\$ 11,235.00	
Fire Hydrant Assembly, w/ all valves	3	EA	\$ 7,978.00	=	\$ 23,934.00		\$ 23,934.00	
Water Service Line Installation, inc. tap and valves	28	EA	\$ 1,601.00	=	\$ 44,828.00		\$ 44,828.00	
Fire Cistern Installation, complete		EA		=	\$ -		\$ -	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
SANITARY SEWER IMPROVEMENTS								
Sewer Main Pipe (PVC), Size 8"	185	LF	\$ 78.00	=	\$ 14,430.00		\$ 14,430.00	
Sanitary Sewer Manhole, Depth < 15 feet	1	EA	\$ 5,305.00	=	\$ 5,305.00		\$ 5,305.00	
Sanitary Service Line Installation, complete	28	EA	\$ 1,696.00	=	\$ 47,488.00		\$ 47,488.00	
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)								
Fencing (3-rail) along Vollmer Rd./Arroya	520	LF	\$ 35.00	=	\$ 18,200.00		\$ 18,200.00	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
Section 3 Subtotal					=	\$ 290,855.00		\$ 290,855.00

** - Section 3 is not subject to defect warranty requirements

PROJECT INFORMATION

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Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 2,500.00	=	\$ 2,500.00		\$ 2,500.00
Total Construction Financial Assurance						\$	2,521,343.85
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$	2,521,343.85
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance						\$	435,566.00
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)							

Approvals

I hereby certify that this is an accurate and complete estimate of costs for the work as shown on the Grading and Erosion Control Plan and Construction Drawings associated with the Project.

Engineer (P.E. Seal Required)

Approved by Owner / Applicant Date

Approved by El Paso County Engineer / ECM Administrator Date